

Plant Based Containers Market Forecasts to 2034– Global Analysis By Material (Bioplastics, Cellulose & Molded Fiber, Bagasse, Starch Based Materials, Seaweed Based Materials, Bamboo, Coconut Husk and Mycelium), Container Type, Packaging Format, End User and By Geography

<https://marketpublishers.com/r/P5160EFCE120EN.html>

Date: March 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: P5160EFCE120EN

Abstracts

According to Statistics MRC, the Global Plant Based Containers Market is accounted for \$11.52 billion in 2026 and is expected to reach \$19.35 billion by 2034 growing at a CAGR of 6.7% during the forecast period. Plant based containers are sustainable packaging solutions manufactured from renewable biological resources such as corn starch, sugarcane, bamboo, bagasse, palm leaves, and other agricultural by-products. Designed to reduce dependence on fossil fuel based plastics, these containers are typically biodegradable, compostable, or recyclable under specific conditions. They are widely used across food and beverage, personal care, healthcare, and e-commerce industries due to their lower carbon footprint and environmental impact. By combining functional performance with ecological responsibility, plant-based containers support circular economy goals while addressing increasing regulatory and consumer demand for sustainable packaging alternatives.

Market Dynamics:

Driver:

Rising demand for sustainable packaging

The plant based containers market is strongly driven by the global shift toward

sustainable packaging solutions. Growing environmental awareness, coupled with regulatory pressure to reduce single use plastics, is encouraging manufacturers and brand owners to adopt renewable and biodegradable alternatives. Consumers increasingly prefer eco friendly packaging that aligns with circular economy principles and corporate sustainability goals. This rising demand across food, beverage, healthcare, and e-commerce sectors continues to create steady momentum for plant based container adoption worldwide.

Restraint:

High production and material costs

High production and raw material costs remain a significant barrier to widespread adoption of plant based containers. Compared to conventional petroleum based plastics, biopolymer processing and agricultural feedstock sourcing involve higher manufacturing expenses and limited economies of scale. Additionally, specialized processing equipment and quality control requirements further elevate costs for producers. Price sensitivity among end users, particularly in developing markets, often slows purchasing decisions, thereby restraining rapid market penetration.

Opportunity:

Advancements in biopolymer technology

Continuous innovation in biopolymer technology presents substantial growth opportunities for the plant-based containers market. Improvements in materials such as PLA, PHA, and molded fiber are enhancing barrier performance, durability, and heat resistance, making plant-based containers more competitive with traditional plastics. Research into bio coatings and hybrid material structures is also expanding application scope. As production efficiency improves and costs gradually decline, these technological advancements are expected to accelerate commercial adoption across diverse packaging applications.

Threat:

Limited composting and recycling infrastructure

The limited availability of industrial composting and specialized recycling infrastructure poses a notable threat to market growth. Many plant-based containers require

controlled disposal environments to achieve full biodegradability, yet such facilities remain insufficient in many regions. Improper disposal can diminish environmental benefits and create consumer confusion regarding sustainability claims. This infrastructure gap, combined with inconsistent waste management policies, may hinder large scale adoption.

Covid-19 Impact:

The COVID-19 pandemic had a mixed impact on the plant-based containers market. Initial disruptions in supply chains, raw material availability, and manufacturing operations temporarily slowed production and project timelines. However, the surge in packaged food consumption, takeaway services, and e-commerce during lockdowns increased demand for disposable yet sustainable packaging. Post-pandemic recovery has reinforced interest in environmentally responsible materials, positioning plant based containers for steady long-term growth.

The bottles segment is expected to be the largest during the forecast period

The bottles segment is expected to account for the largest market share during the forecast period, due to its extensive use in beverages, personal care, and household product packaging. Plant-based bottles offer a familiar format while enabling brands to transition toward sustainable materials without altering distribution systems. Their compatibility with existing filling lines and strong consumer acceptance further supports dominance. Growing demand for eco-friendly beverage packaging and bio-based PET alternatives continues to reinforce the segment's leading position.

The pharmaceuticals segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the pharmaceuticals segment is predicted to witness the highest growth rate, due to increasing emphasis on sustainable healthcare packaging and stringent regulatory compliance. Pharmaceutical companies are gradually adopting plant based containers for secondary packaging, sample bottles, and over the counter product formats to reduce environmental impact. Rising healthcare demand, coupled with corporate sustainability commitments and innovation in high purity biopolymers, is expected to accelerate adoption within the pharmaceutical packaging ecosystem.

Region with largest share:

During the forecast period, the Europe region is expected to hold the largest market share, due to strong environmental regulations, early adoption of circular economy policies, and high consumer awareness regarding sustainable packaging. The region benefits from well-established recycling frameworks, government incentives, and proactive brand commitments toward reducing plastic waste. Countries such as Germany, France, and the Netherlands are at the forefront of bio-based packaging innovation, providing a mature and supportive ecosystem for plant-based container manufacturers.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, owing to rapid urbanization, expanding food and beverage industries, and increasing regulatory focus on plastic reduction. Growing environmental awareness among consumers and rising investments in sustainable packaging manufacturing are further fueling regional growth. Emerging economies such as China and India are witnessing strong demand from e-commerce and takeaway food sectors, creating significant opportunities for plant-based container producers and suppliers.

Key players in the market

Some of the key players in Plant Based Containers Market include Amcor plc, Berry Global Group, Inc., Huhtamaki Oyj, Stora Enso Oyj, UPM-Kymmene Corporation, Mondi Group, Smurfit Westrock plc, DS Smith plc, Vegware Ltd., Eco-Products, Inc., Footprint, Pactiv Evergreen Inc., Genpak, LLC, BioPak Pty Ltd. and Sabert Corporation.

Key Developments:

In November 2024, Berry Global announced a definitive agreement to sell its Specialty Tapes business to Nautic Partners for about \$540 million, aligning with its strategy to focus on higher-growth consumer markets. The company plans to use the proceeds primarily to reduce outstanding debt and streamline its portfolio.

In November 2024, Amcor and Berry Global agreed to merge in an all-stock deal, creating a combined packaging powerhouse named Amcor plc. Berry shareholders will receive 7.25 Amcor shares each, and the new company aims to broaden product offerings, boost innovation and deliver value globally.

Materials Covered:

Bioplastics

Cellulose & Molded Fiber

Bagasse

Starch Based Materials

Seaweed Based Materials

Bamboo

Coconut Husk

Mycelium

Container Types Covered:

Bottles

Jars

Cups & Bowls

Trays

Clamshell Containers

Tubs

Plates & Foodservice Containers

Other Container Types

Packaging Formats Covered:

Rigid Containers

Semi Rigid Containers

Flexible Containers

End Users Covered:

Food & Beverages

Personal Care & Cosmetics

Pharmaceuticals

Household Products

Retail & E-commerce

Industrial

Other End Users

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL PLANT BASED CONTAINERS MARKET, BY MATERIAL

- 5.1 Bioplastics
- 5.2 Cellulose & Molded Fiber
- 5.3 Bagasse
- 5.4 Starch Based Materials
- 5.5 Seaweed Based Materials
- 5.6 Bamboo
- 5.7 Coconut Husk
- 5.8 Mycelium

6 GLOBAL PLANT BASED CONTAINERS MARKET, BY CONTAINER TYPE

- 6.1 Bottles
- 6.2 Jars
- 6.3 Cups & Bowls
- 6.4 Trays
- 6.5 Clamshell Containers
- 6.6 Tubs
- 6.7 Plates & Foodservice Containers
- 6.8 Other Container Types

7 GLOBAL PLANT BASED CONTAINERS MARKET, BY PACKAGING FORMAT

- 7.1 Rigid Containers
- 7.2 Semi Rigid Containers
- 7.3 Flexible Containers

8 GLOBAL PLANT BASED CONTAINERS MARKET, BY END USER

- 8.1 Food & Beverages
- 8.2 Personal Care & Cosmetics
- 8.3 Pharmaceuticals
- 8.4 Household Products
- 8.5 Retail & E-commerce

8.6 Industrial

8.7 Other End Users

9 GLOBAL PLANT BASED CONTAINERS MARKET, BY GEOGRAPHY

9.1 North America

9.1.1 United States

9.1.2 Canada

9.1.3 Mexico

9.2 Europe

9.2.1 United Kingdom

9.2.2 Germany

9.2.3 France

9.2.4 Italy

9.2.5 Spain

9.2.6 Netherlands

9.2.7 Belgium

9.2.8 Sweden

9.2.9 Switzerland

9.2.10 Poland

9.2.11 Rest of Europe

9.3 Asia Pacific

9.3.1 China

9.3.2 Japan

9.3.3 India

9.3.4 South Korea

9.3.5 Australia

9.3.6 Indonesia

9.3.7 Thailand

9.3.8 Malaysia

9.3.9 Singapore

9.3.10 Vietnam

9.3.11 Rest of Asia Pacific

9.4 South America

9.4.1 Brazil

9.4.2 Argentina

9.4.3 Colombia

9.4.4 Chile

9.4.5 Peru

- 9.4.6 Rest of South America
- 9.5 Rest of the World (RoW)
 - 9.5.1 Middle East
 - 9.5.1.1 Saudi Arabia
 - 9.5.1.2 United Arab Emirates
 - 9.5.1.3 Qatar
 - 9.5.1.4 Israel
 - 9.5.1.5 Rest of Middle East
 - 9.5.2 Africa
 - 9.5.2.1 South Africa
 - 9.5.2.2 Egypt
 - 9.5.2.3 Morocco
 - 9.5.2.4 Rest of Africa

10 STRATEGIC MARKET INTELLIGENCE

- 10.1 Industry Value Network and Supply Chain Assessment
- 10.2 White-Space and Opportunity Mapping
- 10.3 Product Evolution and Market Life Cycle Analysis
- 10.4 Channel, Distributor, and Go-to-Market Assessment

11 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

- 11.1 Mergers and Acquisitions
- 11.2 Partnerships, Alliances, and Joint Ventures
- 11.3 New Product Launches and Certifications
- 11.4 Capacity Expansion and Investments
- 11.5 Other Strategic Initiatives

12 COMPANY PROFILES

- 12.1 Amcor plc
- 12.2 Berry Global Group, Inc.
- 12.3 Huhtamaki Oyj
- 12.4 Stora Enso Oyj
- 12.5 UPM-Kymmene Corporation
- 12.6 Mondi Group
- 12.7 Smurfit Westrock plc
- 12.8 DS Smith plc

- 12.9 Vegware Ltd.
- 12.10 Eco-Products, Inc.
- 12.11 Footprint
- 12.12 Pactiv Evergreen Inc.
- 12.13 Genpak, LLC
- 12.14 BioPak Pty Ltd.
- 12.15 Sabert Corporation

List Of Tables

LIST OF TABLES

- Table 1 Global Plant Based Containers Market Outlook, By Region (2023-2034) (\$MN)
- Table 2 Global Plant Based Containers Market Outlook, By Material (2023-2034) (\$MN)
- Table 3 Global Plant Based Containers Market Outlook, By Bioplastics (2023-2034) (\$MN)
- Table 4 Global Plant Based Containers Market Outlook, By Cellulose & Molded Fiber (2023-2034) (\$MN)
- Table 5 Global Plant Based Containers Market Outlook, By Bagasse (2023-2034) (\$MN)
- Table 6 Global Plant Based Containers Market Outlook, By Starch Based Materials (2023-2034) (\$MN)
- Table 7 Global Plant Based Containers Market Outlook, By Seaweed Based Materials (2023-2034) (\$MN)
- Table 8 Global Plant Based Containers Market Outlook, By Bamboo (2023-2034) (\$MN)
- Table 9 Global Plant Based Containers Market Outlook, By Coconut Husk (2023-2034) (\$MN)
- Table 10 Global Plant Based Containers Market Outlook, By Mycelium (2023-2034) (\$MN)
- Table 11 Global Plant Based Containers Market Outlook, By Container Type (2023-2034) (\$MN)
- Table 12 Global Plant Based Containers Market Outlook, By Bottles (2023-2034) (\$MN)
- Table 13 Global Plant Based Containers Market Outlook, By Jars (2023-2034) (\$MN)
- Table 14 Global Plant Based Containers Market Outlook, By Cups & Bowls (2023-2034) (\$MN)
- Table 15 Global Plant Based Containers Market Outlook, By Trays (2023-2034) (\$MN)
- Table 16 Global Plant Based Containers Market Outlook, By Clamshell Containers (2023-2034) (\$MN)
- Table 17 Global Plant Based Containers Market Outlook, By Tubs (2023-2034) (\$MN)
- Table 18 Global Plant Based Containers Market Outlook, By Plates & Foodservice Containers (2023-2034) (\$MN)
- Table 19 Global Plant Based Containers Market Outlook, By Other Container Types (2023-2034) (\$MN)
- Table 20 Global Plant Based Containers Market Outlook, By Packaging Format (2023-2034) (\$MN)
- Table 21 Global Plant Based Containers Market Outlook, By Rigid Containers (2023-2034) (\$MN)

Table 22 Global Plant Based Containers Market Outlook, By Semi Rigid Containers (2023-2034) (\$MN)

Table 23 Global Plant Based Containers Market Outlook, By Flexible Containers (2023-2034) (\$MN)

Table 24 Global Plant Based Containers Market Outlook, By End User (2023-2034) (\$MN)

Table 25 Global Plant Based Containers Market Outlook, By Food & Beverages (2023-2034) (\$MN)

Table 26 Global Plant Based Containers Market Outlook, By Personal Care & Cosmetics (2023-2034) (\$MN)

Table 27 Global Plant Based Containers Market Outlook, By Pharmaceuticals (2023-2034) (\$MN)

Table 28 Global Plant Based Containers Market Outlook, By Household Products (2023-2034) (\$MN)

Table 29 Global Plant Based Containers Market Outlook, By Retail & E-commerce (2023-2034) (\$MN)

Table 30 Global Plant Based Containers Market Outlook, By Industrial (2023-2034) (\$MN)

Table 31 Global Plant Based Containers Market Outlook, By Other End Users (2023-2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

I would like to order

Product name: Plant Based Containers Market Forecasts to 2034– Global Analysis By Material (Bioplastics, Cellulose & Molded Fiber, Bagasse, Starch Based Materials, Seaweed Based Materials, Bamboo, Coconut Husk and Mycelium), Container Type, Packaging Format, End User and By Geography

Product link: <https://marketpublishers.com/r/P5160EFCE120EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P5160EFCE120EN.html>